

CLAIMS

What is claimed:

1. A compound of the formula:

$R^1\text{-RANTES}$ (2-68)

where R^1 is $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-X-}$; in which

X is $-\text{C(O)-NH-CH}_2\text{-C(O)-}$, $-\text{NHCH}_2\text{-C(O)-}$, $-\text{ONH-CH}_2\text{-C(O)-}$,
 $-\text{OCH}_2\text{-CH}_2\text{-C(O)-}$, $-\text{CH=CH-C(O)-}$, $-\text{C(O)-}$, or a covalent bond; and

n is an integer of 4-8;

or a pharmaceutically acceptable salt thereof.

2. The compound of claim 1, wherein n is 4 and X is $-\text{C(O)-NH-CH}_2\text{-C(O)-}$.

3. The compound of claim 1, wherein n is 5 and X is $-\text{NH-CH}_2\text{-C(O)-}$.

4. The compound of claim 1, wherein n is 7 and X is $-\text{C(O)-}$.

5. The compound of claim 1, wherein n is 8 and X is a covalent bond.

The compound of claim 1, wherein n is 4 and X is $-\text{ONH-CH}_2\text{-C(O)-}$.

6. The compound of claim 1, wherein n is 5 and X is $-\text{CH=CH-C(O)-}$.

7. The compound of claim 1, wherein n is 4 and X is $-\text{OCH}_2\text{-CH}_2\text{-C(O)-}$.

9. A method of treating a disease state in mammals that is alleviated by treatment with a RANTES inhibitor, which method comprises administering to a mammal in need of such a treatment a therapeutically effective amount of a compound of the formula:

$R^1\text{-RANTES}$ (2-68)

where R^1 is $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-X-}$; in which

X is $-\text{C(O)-NH-CH}_2\text{-C(O)-}$, $-\text{NHCH}_2\text{-C(O)-}$, $-\text{ONH-CH}_2\text{-C(O)-}$,
 $-\text{OCH}_2\text{-CH}_2\text{-C(O)-}$, $-\text{CH=CH-C(O)-}$, $-\text{C(O)-}$, or a covalent bond; and

n is an integer of 4-8;

or a pharmaceutically acceptable salt thereof.

10. The method of claim 9, wherein the disease state is an inflammatory disease.

11. The method of claim 10, wherein the inflammatory disease is asthma, allergic rhinitis, atopic dermatitis, atheroma, atherosclerosis, or rheumatoid arthritis.

12. The method of claim 9, wherein the disease state is HIV.

13. A pharmaceutical composition for administration to a mammal having a disease state that

is alleviated by treatment with a RANTES inhibitor, which comprises a therapeutically effective amount of a compound of the formula:

R¹-RANTES (2-68)

where R¹ is CH₃-(CH₂)_n-X-; in which

X is -C(O)-NH-CH₂-C(O)-, -NHCH₂-C(O)-, -ONH-CH₂-C(O)-,

-OCH₂-CH₂-C(O)-, -CH=CH-C(O)-, -C(O)-, or a covalent bond; and

n is an integer of 4-8;

or a pharmaceutically acceptable salt thereof;

in admixture with one or more pharmaceutically acceptable excipients.

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10 14. A compound of claim 1 modified by the grafting of one or more organic chain-like molecules.
15. The compound of Claim 14 wherein said molecule is polyethylene glycol.
16. The compound of Claim 14 wherein the modification is at the C-terminus.
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Add AA

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